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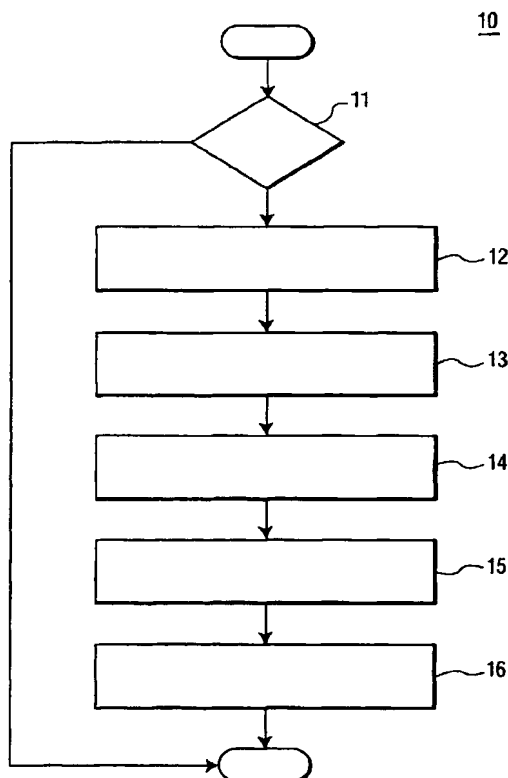
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(54) Title: METHOD AND SYSTEM FOR RESTRAINED BUDGET USE



(57) Abstract: A method (60) for controlling multiple tasks in a real-time operating system (110, 170) assigns priorities to two or more tasks (114, 115; 174, 175). A first task (114; 174) is assigned to be a More Important Task. A second task (115; 175) is assigned to be a Less Important Task. Each task is explicitly informed of its budget allocations. A Guaranteed Budget Margin is then allocated to the More Important Task along with a More Important Guaranteed Budget. A Less Important Guaranteed Budget is also allocated to the Less Important Task. At some point during execution, the higher priority or More Important Task (114; 174) may then determine that the More Important Task no longer requires the Guaranteed Budget Margin, in which case, a Conditionally Guaranteed Budget Margin is then allocated to the Less Important Task (115; 175).

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(U)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, **DK**, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,

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